

WHAT IS CLAIMED IS:

1. A communication control method for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control method comprising the steps of:

determining whether data communication between a portable information communication terminal and a data communication apparatus has been interrupted by disconnection of a communication line; and

in response to normal termination of data communication between a portable information communication terminal and a data communication apparatus, clearing accounting on data communication that was interrupted between said portable information communication terminal and a data communication apparatus by disconnection of a communication line within a predetermined time before the normal termination of the data communication.

2. A communication control method for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control method comprising the steps of:

storing transfer data transferred between a portable information communication terminal and a data

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communication apparatus, in a transfer data temporary storage section;

in response to a request of reconnection to a data communication apparatus used at time of interruption, issued by a portable information communication terminal interrupted in data communication by disconnection of a communication line, ordering transfer of transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal; and

transferring said transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal.

3. A communication control method for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control method comprising the steps of:

in response to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, distributing preferential connection information for connecting said portable information communication terminal preferentially, to radio base stations;

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receiving said preferential connection information, and securing a vacant line; and

in response to detection of a call incoming request from a portable information communication terminal that meets said preferential connection information, connecting preferentially said portable information communication terminal by using said secured vacant line.

4. A communication control method for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control method comprising the steps of:

storing transfer data transferred between a portable information communication terminal and a data communication apparatus, in a transfer data temporary storage section;

in response to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, ordering a radio base station to conduct connection to said portable information communication terminal;

ordering transfer of transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said

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portable information communication terminal;

transferring said transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal; and

conducting accounting of said data communication on said portable information communication terminal.

5. A communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control system comprising:

a communication situation control section for determining whether data communication between a portable information communication terminal and a data communication apparatus has been interrupted by disconnection of a communication line; and

an accounting calculation section responsive to normal termination of data communication between a portable information communication terminal and a data communication apparatus, for clearing accounting on data communication that was interrupted between said portable information communication terminal and a data communication apparatus by disconnection of a communication line within a predetermined time before the normal termination of the data communication.

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6. A communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control system comprising:

a data transfer control section for storing transfer data transferred between a portable information communication terminal and a data communication apparatus, in a transfer data temporary storage section and transferring the stored transfer data to a portable information communication terminal; and

a communication situation control section responsive to a request of reconnection to a data communication apparatus used at time of interruption, issued by a portable information communication terminal interrupted in data communication by disconnection of a communication line, for ordering transfer of transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal.

7. A communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said

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communication control system comprising:

a communication situation control section responsive to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, for distributing preferential connection information for connecting said portable information communication terminal preferentially, to radio base stations; and

a line control section for receiving said preferential connection information, and securing a vacant line, and responsive to detection of a call incoming request from a portable information communication terminal that meets said preferential connection information, for connecting preferentially said portable information communication terminal by using said secured vacant line.

8. A communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said communication control system comprising:

a data transfer control section for storing transfer data transferred between a portable information communication terminal and a data communication apparatus, in a transfer data temporary storage section and transferring the stored transfer

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data to a portable information communication terminal;

a communication situation control section responsive to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, for ordering a radio base station to conduct connection to said portable information communication terminal, and for ordering said transfer control section to transfer the transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal; and

an accounting calculation section for conducting accounting of said data communication on said portable information communication terminal.

9. A program that makes a computer function as a communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said program making the computer function as:

a communication situation control section for determining whether data communication between a portable information communication terminal and a data communication apparatus has been interrupted by disconnection of a communication line; and

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an accounting calculation section responsive to normal termination of data communication between a portable information communication terminal and a data communication apparatus, for clearing accounting on data communication that was interrupted between said portable information communication terminal and a data communication apparatus by disconnection of a communication line within a predetermined time before the normal termination of the data communication.

10. A program that makes a computer function as a communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said program making the computer function as:

a data transfer control section for storing transfer data transferred between a portable information communication terminal and a data communication apparatus, in a transfer data temporary storage section and transferring the stored transfer data to a portable information communication terminal; and

a communication situation control section responsive to a request of reconnection to a data communication apparatus used at time of interruption, issued by a portable information communication terminal interrupted in data communication by disconnection of a

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communication line, for ordering transfer of transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal.

11. A program that makes a computer function as a communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said program making the computer function as:

a communication situation control section responsive to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, for distributing preferential connection information for connecting said portable information communication terminal preferentially, to radio base stations; and

a line control section for receiving said preferential connection information, and securing a vacant line, and responsive to detection of a call incoming request from a portable information communication terminal that meets said preferential connection information, for connecting preferentially said portable information communication terminal by using said secured vacant line.

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12. A program that makes a computer function as a communication control system for controlling data communication conducted between a portable information communication terminal and a data communication apparatus via a communication network including a radio communication network, said program making the computer function as:

a data transfer control section for storing transfer data transferred between a portable information communication terminal and a data communication apparatus, in a transfer data temporary storage section and transferring the stored transfer data to a portable information communication terminal;

a communication situation control section responsive to interruption of data communication between a portable information communication terminal and a data communication apparatus caused by disconnection of a communication line, for ordering a radio base station to conduct connection to said portable information communication terminal, and for ordering said transfer control section to transfer the transfer data that has not yet been transferred and that has been stored in said transfer data temporary storage section to said portable information communication terminal; and

an accounting calculation section for conducting accounting of said data communication on said portable information communication terminal.

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